

**Posting Title:** Midwest Guardrail System Reduced Post Spacing

**TCP #:** 000-0073

**Closing Date:** July 12, 2022

<b>Comment</b>	<b>Response</b>
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In proposed MTOD 912.317 there is a reference to proposed MTOD 912.112 in section A-A for the post and block.  
In proposed MTOD 912.318 there is a reference to OPSD 912.127 in Section A-A for the post and block.

I am familiar with OPSD 912.127, which is the current Type M guide rail post, with holes 180mm from the top for mounting steel beam guide rail and a block measuring 145mm x 360mm x 195mm (Both Routed Wood and Plastic Blocks are options in this specification).

Proposed MTOD 912.318 references OPSD 912.127.

Proposed MTOD 912.317 - half post spacing - references a new block/post specification MTOD 912.112. The Post/Block referenced in proposed MTOD 912.112 depicts a steel post with two sets of holes (One set 180mm from the top, and the other set is 300mm below the upper set of holes). Proposed MTOD 912.112 also depicts a routed wood block that is 145mm x 255mm x 145mm, with no option for plastic offset block.

Two questions: When installing proposed MTOD 912.317 are we to install posts per MTOD 912.112 that have additional holes below the guide rail mounting holes? Secondly, is the specification accurate that we are using shortened routed wood blocks with no option of a plastic equivalent?

If possible please reference the TTI report number as I did not see it in the submission.

Lower holes on the SBGR post are not required and have been deleted from the drawing.  
Shortened routed wood blocks are required for the half post spacing configuration, per the crash tested configuration.

Proposed quarter and half post spacing configurations are based on TTI Report 610211-01, October 2021.

<p>1. MTOD 912.317 and 912.318 Note 1 references Type M30, suggesting the potential presence of curb and gutter, but Section A-A and Notes 2 and 4 do not acknowledge the potential presence of curb and gutter. Please clarify.</p> <p>2. Suggest that MTOD 912.317 Note 4 and MTOD 912.318 Note 6 should say "3:1 MAX; slope may be flatter when specified". Also, Section A-A on MTOD 912.318 references Note 5, not Note 6.</p> <p>3. Both MTOD 912.317 and 912.318 specify that the minimum offset to the rigid obstacle must be 1.0 m minimum...if this is true, why would we ever apply MTOD 912.318 when 912.317 would suffice?</p>	<p>Agree this should not be used in conjunction with curb and gutter, removed Note 1 and clarified on plan view connection to M20 SBGR</p> <p>Slope labelling and corresponding note is consistent with that used in OPSD's 912.185 and 912.186 and will not be changed. Note reference on MTOD 912.318 corrected to Note 6</p> <p>Working width of both configurations are within approximately 50mm of each other and are both rounded to 1.0m. MTOD 912.318 will be withheld from publication but will be available from Highway Design Office as a non-standard configuration upon request.</p>
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